

M. A. R. 57 (Rule 116)  
Measurement Book

No. D

115319

Serial No. 1st and final bill.

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency K. R. I. D. L. ✓

Date of commencement of work .....

| Date<br>1 | Full description, etc, of work<br>2 | Dimensions  |             |              | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-----------|-------------------------------------|-------------|-------------|--------------|---------------|------------------------------------------|
|           |                                     | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6    |                                          |
|           | <u>Name of Work:-</u>               |             |             |              |               |                                          |
|           |                                     |             |             |              |               |                                          |
|           | <u>Estimate Cost of Work:-</u>      |             |             |              |               |                                          |
|           | <u>Work Code:-</u>                  |             |             |              |               |                                          |
|           | <u>Work Order Number:-</u>          |             |             |              |               |                                          |
|           | <u>Work Order Date:-</u>            |             |             |              |               |                                          |

Construction of drain and culverts at Yelahanka new town 5th phase in Ward No-02 of Yelahanka Sub division. ✓

Rs 25.00 Lakhs.

002-17-000002. ✓

BBMP/EE(YNK.D)/WO/70/2017-18. ✓

07-12-2017 ✓

M. A. R. 57 (Rule 116)  
Measurement Book

No. D **115320**

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date<br>1 | Full description, etc, of work<br>2                                                                                                                                                                                                                                                                                                                                                                            | Dimensions  |             |              | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|---------------|------------------------------------------|
|           |                                                                                                                                                                                                                                                                                                                                                                                                                | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6    |                                          |
|           | culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specification.<br>PM Qty Recorded vide page No. 115384 of this MB = 174.13 cum.<br>@ Rs 166.42/cum $\Rightarrow$ Rs. 28977.88 |             |             |              |               |                                          |
| Item No 3 | Loading and unloading of stone boulder/stone aggregate/sand/kana/mosai. Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip                                                                                                                                                                                           |             |             |              |               |                                          |

M. A. R. 57 (Rule 116)  
Measurement Book

No. D **115321**

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date<br>1   | Full description, etc, of work<br>2                                                                                                                                                                                                                                                                                                                                                                                               | Dimensions  |             |              | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|---------------|------------------------------------------|
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                   | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6    |                                          |
| Item No. 5. | Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specification.<br>PM Qty Recorded vide page No 115385/2 of this MB = 17.496 cum.<br>Limited Qty = 17.28 cum.<br>@ Rs 4438.22/cum $\Rightarrow$ Rs 76692.44. |             |             |              |               |                                          |
| Item No. 6. | Providing flush pointing to square rubble; course or uncoursed stone masonry with cement mortar 1:3, 20mm deep after making of joints                                                                                                                                                                                                                                                                                             |             |             |              |               |                                          |

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No. D

115322

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date<br>1  | Full description, etc, of work<br>2                                                                                                                                                                                                                                                                                                                | Dimensions  |             |              | Contents<br>7                      | Reference<br>to last<br>Measurement<br>8 |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------------------------------|------------------------------------------|
|            |                                                                                                                                                                                                                                                                                                                                                    | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6                         |                                          |
| Item No. 8 | Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) M20 for RCC works laid in 15cms thick layers and well compacted vibrating, curing for raft foundation, column footing, main and secondary beams with all lead and lifts etc., complete (exclusive cost of steel and fabrication charges) | 1x1         | 25.00       | 14.60        | 0.15                               | 54.75 cum. C.S.C.                        |
|            |                                                                                                                                                                                                                                                                                                                                                    | 1x1         | 25.00       | 5.30         | 0.15                               | 19.88 "                                  |
|            |                                                                                                                                                                                                                                                                                                                                                    |             |             |              | Net Qty =                          | 74.62 cum. Sample                        |
|            |                                                                                                                                                                                                                                                                                                                                                    |             |             |              | @ Rs 6231.74/cum $\Rightarrow$ Rs. | 465043.60                                |

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Measurement Book

No. D

115323

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

| Date<br>1  | Full description, etc, of work<br>2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Dimensions  |             |              | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|---------------|------------------------------------------|
|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6    |                                          |
|            | PM Qty Recorded vide page No. 115387 of this MB = 337.20 89m<br>@ Rs 310.58/89m $\Rightarrow$ Rs 104727.58                                                                                                                                                                                                                                                                                                                                                                                                                     |             |             |              |               |                                          |
| Item No 11 | Providing & laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregated @ 0.69cum and fine aggregated @ 0.46cum with superplasticizer @ 3lb confirming to IS 9103-1999 Reaffirmed-2008 mach mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillar, posts, |             |             |              |               |                                          |

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No. D

115324

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1   | Full description, etc, of work<br>2                                                                                                                                                                                             | Number<br>3 | Dimensions  |              |            | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|---------------|------------------------------------------|
|             |                                                                                                                                                                                                                                 |             | Length<br>4 | Breadth<br>5 | Depth<br>6 |               |                                          |
| Item No. 13 | Providing and fixing RCC precast slabs of 0.10m thick of CC 1:2:4 with 20mm and down size graded granite metal, machine mixed, including cost of all material, labour, H/M of machinery, curing complete.<br>2nd Cross Road W/S |             |             |              |            |               |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 25.00       | 0.90         | —          | 22.50 ✓ 89m   |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 25.50       | 0.90         | —          | 22.95 ✓ "     |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 22.00       | 0.90         | —          | 19.80 ✓ "     |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 17.00       | 0.90         | —          | 15.30 ✓ "     |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 30.00       | 0.90         | —          | 27.00 ✓ "     |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 21.00       | 0.90         | —          | 18.90 ✓ "     |                                          |
|             |                                                                                                                                                                                                                                 | 1x1         | 2.50        | 0.90         | —          | 2.25 ✓ "      |                                          |

@ Rs 4402.79/89m  $\Rightarrow$  Rs 158500.44 ✓

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115325

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1                                                                                                                                                                                                                           | Full description, etc, of work<br>2 | Dimensions  |             |              | Contents<br>7 | Reference<br>to last<br>Measurement<br>8 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|-------------|--------------|---------------|------------------------------------------|
|                                                                                                                                                                                                                                     |                                     | Number<br>3 | Length<br>4 | Breadth<br>5 | Depth<br>6    |                                          |
|                                                                                                                                                                                                                                     | 9% for KRIDL Charges =              |             |             |              | Rs            | 205087.00.                               |
|                                                                                                                                                                                                                                     | Grand Total Amount =                |             |             |              | Rs.           | 2483835.84                               |
|                                                                                                                                                                                                                                     |                                     |             |             |              |               | At this 29-12-17                         |
| <p><u>CERTIFICATE:-</u></p> <p>1) The contractor has completed the work as per specification.</p> <p>2) The contractor has removed all the debris from work spot.</p> <p>3) There are no departmental issues to the contractor.</p> |                                     |             |             |              |               |                                          |

JE

At this 29-12-17

1

- 1) The contractor
- 2) The contractor
- 3) There are no

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115326

Serial No. ....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date<br>1 | Full description, etc, of work<br>2                                                                                                                                                                                                                               | Number<br>3 | Dimensions  |              |            | Contents                                                                                                                                                                                              | Reference<br>to last<br>Measurement<br>8 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
|           |                                                                                                                                                                                                                                                                   |             | Length<br>4 | Breadth<br>5 | Depth<br>6 |                                                                                                                                                                                                       |                                          |
|           | 1st and Final                                                                                                                                                                                                                                                     |             |             |              |            | 2483306                                                                                                                                                                                               |                                          |
|           | <p>Added &amp; Adjusted for Rs 248 3306:00</p> <hr/> <p>2197609:00 by Cheque</p> <p>and Rs 286097:00 by adjustment</p> <p><i>[Signature]</i> Sd/-<br/>Sr. Div. Division</p> <p><i>[Signature]</i> <i>[Signature]</i><br/>Exe. Engineer<br/>yelahanka Division</p> |             |             |              |            | <p>FLD = Rs 124185</p> <p>COET = Rs 24837</p> <p>SGRT = Rs 24837</p> <p>IT = Rs 49674</p> <p>JO = Rs 24837</p> <p>CUT = Rs 2483</p> <p>Survey = Rs 35244</p> <p>Rs 286097</p> <p>Ans = Rs 2197609</p> |                                          |

Assistant Executive Engineer  
Byataravanapura Sub-division  
KBIDL, BBMP, Bangalore

# MEASUREMENT BOOK

Date

Full description, etc. of work

Sketch showing the details of work spot.

Number  
3

Length  
4

Breadth  
5

Depth  
6

Contents  
7

Reference  
to last  
Measurement  
8

A-E  
29-12-19



INDEX

REC drain  
Culvert

Signature  
Date